DOCUMENT RESUME

ED 215 214 CE 032 139

AUTHOR Orr, David B.
TITLE Data Available for Studying Vocational Education.
INSTITUTION National Center for Education Statistics (ED), Washington, DC.
PUB DATE 82
NOTE 27p.; Paper presented at the Annual Meeting of the American Educational Research Association (New York, NY, March 22, 1982).

EDRS PRICE MF01/PC02 Plus Postage.
DESCRIPTORS *Databases; Data Collection; Educational Research; Information Networks; Information Retrieval; *Information Services; *Information Sources; Information Storage; Information Systems; *Information Utilization; Online Systems; Postsecondary Education; Secondary Education; *Statistical Data; *Vocational Education
IDENTIFIERS *Vocational Education Data System

ABSTRACT

The Vocational Education Data System (VEDS) data base was created as a result of the Vocational Education Amendments of 1976. VEDS statistics were to be collected in the form of state-aggregate data (that is, state-level data is submitted by each state, based upon records and data collected by the state for this and other purposes); and VEDS data, which cover only that portion of the vocational education enterprise which is covered by state plans under the Vocational Education Act (about 90 percent of vocational education students). Data contained in the VEDS database are the following: (1) the results of mandated state evaluations of the extent to which program completers and leavers find employment in occupations related to their training and are considered by their employers to be well trained and prepared: (2) data on vocational students, including race and sex; (3) programs; (4) program completers and leavers: (5) staff; (6) facilities; and (7) expenditures. The system was installed for the school year 1978-79, and has continued on an annual basis since that time. At present, data through 1980 are available for access by educators and researchers. (The main part of the document contains detailed information on the various categories of data available in VEDS; an annotated listing of key publications which contain data about vocational education; and an annotated listing of the available data tapes and instructions about how they can be ordered.) (KC)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED215214

DATA AVAILABLE

FOR STUDYING VOCATIONAL EDUCATION

David B. Orr
National Center for Education Statistics
U.S. Department of Education

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)

This document has been reproduced as received from the person or organization originating it.

Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

Prepared for presentation at the Annual Meeting
American Educational Research Association, March 22, 1982
New York, N.Y.

CE 032 159

AERA PAPER

Data Available for Studying Vocational Education

Much of the data upon which the previous papers were based was drawn from the national Vocational Education Data System (VEDS) data base. For this reason, and because data from this extensive data base have only recently become available, I am going to focus on the VEDS data base in this paper. However, the attachment provides you with an overview of all of the various sources of information which are available to you through the National Center for Education Statistics (NCES) on the subject of vocational education. The attachment contains annotations of these various sources, as well as information about how to obtain them.

Background of VEDS

In the years immediately preceding the passage of the Education Amendments of 1976 (P.L. 94-482) the Congress became increasingly dissatisfied with the accuracy and reliability of available data in the area of vocational education. As a result, these Amendments, which reauthorized the Vocational Education Act of 1963, contained a mandate to NCES to develop, implement, and operate a national vocational education data system comprised of uniform definitions and standard data elements. The States were similarly mandated to provide the information requested by NCES for VEDS as a prerequisite for funding under the Act. Their compliance was to be assured as a part of the general assurances which each State submitted in connection with the submission of its State Plan for funding under the Act.

The conditions described in the preceding paragraph led to two very important qualifiers on the VEDS data base about which we are speaking: 1) The VEDS data are in the form of State-aggregate data--that is, State level data is submitted to NCES by each State, based upon records and data collected by the State for this and other purposes; and 2) VEDS data cover only that portion of the vocational education enterprise which is covered by State Plans under VEA (estimated to be about 2/3 of the institutional providers and 90% of vocational education students).

In its deliberations the Congress noted that VEDS should attempt to answer four basic questions about vocational education: "Who is being served in vocational education programs? What are they being served? What is being accomplished? and What is the cost?" To this end, the law prescribed the specific areas of data to be collected: "VEDS shall contain the results of mandated State evaluations of the extent to which program completers and leavers find employment in occupations related to their training and are considered by their employers to be well-trained and prepared; and, other information on vocational 1) Students, including race and sex, 2) programs, 3) program completers and leavers, 4) staff, 5) facilities, and 6) expenditures."

NCES spent two years working with representatives of the field, data suppliers, federal and State agencies, policy and decision-makers, and other educators, attempting to build and obtain consensus for a system which would meet the

specific requirements of the legislation, provide a picture of vocational education, and impose the minimum amount of burden on States and local educational institutions. After various field tests, the system was installed for the school year 1978-79, and, with modifications which I will explain as I go along, has continued on an annual basis since that time. At the present time, data from the 1978-79 and 1979-80 collection years are available for access by interested educators and researchers. The 1980-81 data should be available by the end of this year.

In order to acquaint you with the general scope and size of the vocational education enterprise documented by the VEDS data collection, I present to you the following national summary figures from the 1979-80 data base now available on tape: There were in 1979-80 some 16.453 million total enrollments in vocational education under State Plan programs. Of these, 5.979 million were enrolled in occupationally specific programs and the number of completers of such programs was 1.857 million. The enterprise consumed the attention of 315,000 staff and involved total expenditures of $6.914 billion, of which some $745.481 million or about 10 3/4% were derived from federal support under the Vocational Education Act.

Review and Comment on the Content of VEDS

Turning now to the attachment, the tabular portion, here I have summarized the topical content of the VEDS system by years of data collection. Time and space do not permit detailed commentary on the topical coverage, but several aspects of the structure of the data base, and certain changes in it should be mentioned.

1. Occupationally Specific (Part A) vs. Other (Part B) Programs. In collecting enrollment data VEDS discriminated between programs (planned sequences of courses, services and activities) designed to lead to entry-level competencies in specific occupations (Part A) and more exploratory occupational preparation (Part B). The Part A, Occupationally Specific, data required an unduplicated count of enrollees in each of the 119 specific programs derived from the 6-digit classification of instructional programs contained in USOE Handbook VI. The Part B enrollments were comprised of enrollments in Other Occupational Preparation (preparatory, prerequisite, or multiple program enrollments), preparation for the Occupation of Homemaking, and Industrial Arts; some duplication was permitted, and enrollments were gathered by broad occupational categories only. Although Part B programs exist in the same content areas, such as Agriculture, as Part A programs, they do not themselves lead to entry level competencies in specific occupations.

2. Streaming. For the 1978-79 year the data are divided by the following level categories: Secondary (10th grade and below, 11th grade and above); postsecondary and adult (long term; short term, with 500 contact hours as the dividing line). Definitional issues regarding the meanings of "postsecondary" and "adult" arose. As a result, several intensive sessions with representatives of the postsecondary community were held, and this structure was changed for the years 1979-80 and forward so that forms would be filled out separately for each of four "streams": Secondary, and the following 3 postsecondary groupings: Regionally approved institutions, State-approved institutions, and

other postsecondary. (The forms for the latter three are identical, requiring only the marking of a box to indicate which stream is represented.) It should be noted that this modification has reduced the comparability of the first year data with that of succeeding years.

3. Suspensions. As the table shows, some portions of the data collection have been suspended for the years 1981-82 ff. These suspensions arose because early experience with the system had indicated that certain data, such as staff counts, were relatively stable and did not need to be collected annually; other data such as accounting for and following up program leavers were so costly and difficult that good quality seemed unachievable under current conditions. In order to reduce the cost and burden of VEDS to the data suppliers, these data elements were suspended, pending further study and possible redesign of the system. Thus data will be available on these suspended elements only for the years shown, while restudy of the issues involved progresses.

4. Conversion to the Classification of Instructional Programs (CIP). For several years NCES has been developing a new taxonomy of instructional programs (CIP) as a means to improving the articulation of its various data collection efforts. Beginning with the 1982-83 collection, the VEDS program stubs will be converted to new stubs based upon the CIP, in order to coordinate the VEDS collection with other NCES collections. It is recognized that this conversion may reduce comparability of time series somewhat. Therefore, a cross-walk for conversion from the two previously used program classifications, that used by the NCES Higher Education General Information System (HEGIS 5000 series), and U.S.O.E. Handbook VI, has been included in the published version of the CIP as Appendix D. This conversion scheme is also available on tape, the Announcement for which is included in the attachment. It should be understood, however, that the conversion is not on a one-to-one basis. A correspondence between old program designations and one or more CIP programs is contained in the crosswalk, and users may have to review the material and apportion their conversions according to their own needs.

5. Followup data. In order to avoid undue burden on the States in the expensive followup process, States were allowed to sample their followup populations. To take advantage of this provision, States were required to submit a sampling plan to NCES for approval. Requirements were that the samples be arranged so that all segments of the population be followed up at least once every 5 years, and that the samples be as representative geographically and programmatically as possible. Available data contains imputations to weight these samples up to national estimates. Further information about the details of this process will be contained in the material accompanying the tapes when ordered.

Availabilities

The remainder of the attachment contains two types of information: An annotated listing of key publications from the Center which contain data about vocational education. These are based upon other data bases as well as VEDS. I believe you

will find it self-explanatory. Information as to how to order copies of the publications described is also contained.

The final piece of the attachmment presents an annotated listing of the available data tapes themselves. Each of these tapes can be ordered according to the information shown, and comes with tape layouts and technical use data. The entire 1978-79 and 79-80 VEDS data bases are available, with some minor exceptions, which are expected to be cleared up shortly; 1980-81 data are expected to be ready by the end of this year.

UNITED STATES DEPARTMENT OF EDUCATION
OFFICE OF THE ASSISTANT SECRETARY
FOR EDUCATIONAL RESEARCH AND IMPROVEMENT
WASHINGTON, D.C. 20202

NATIONAL CENTER FOR
EDUCATION STATISTICS

H A N D O U T

DATA AVAILABLE

FOR STUDYING VOCATIONAL EDUCATION

David B. Orr
National Center for Education Statistics
U.S. Department of Education

Prepared for presentation at the Annual Meeting
American Educational Research Association, March 22, 1982
New York, N.Y.

THE TYPES OF DATA COLLECTED

Table 1 presents by year of collection the data collected by VEDS, from the first collection completed for the 1978-79 school year until the expiration date for the current authorization. In both 1979-80 and 1980-81 school years, all data contained in the system were collected. For subsequent school years the special needs data, leaver follow-up and employer follow-up have been suspended while NCES further assesses the methodology for collecting these types of data.

Form and Section Titles	School Years					
	78-79	79-80	80-81	81-82	82-83	83-84
Secondary Program Enrollment						
Part A - Occ. Specific						
Total Enrollment	X	X	X	X	X	X
Racial/Ethnic Desig. and Sex	X	X	X	X	X	X
Special Needs		X	X			
Program Completers	X	X	X	X	X	X
Part B - Other Voc. Ed.						
Total Enrollment	X	X	X	X	X	X
Racial/Ethnic Desig. and Sex	X	X	X	X	X	X
Special Needs		X	X			
Enrollment by Program Level	X	X	X	X	X	X
Part C						
Special Needs by Instruc. Setting		X	X	X	X	X
Part D						
Enroll. in Cooperative Voc. Ed.	X	X	X	X	X	X
Part E						
Participation by Legislative Purp.	X	X	X	X	X	X
				Work Study Only		
Postsecondary Program Enrollment						
Part A - Occ. Specific						
Total Enrollment	X	X	X	X	X	X
Racial/Ethnic Desig. and Sex	X	X	X	X	X	X
Non-resident Alien		X	X	X	X	X
				Region.	Accred.	Only
Special Needs		X	X			
Program Completers	X	X	X	X	X	X
Part B - Other Voc. Ed.						
Total Enrollment	X	X	X	X	X	X
Racial/Ethnic Desig. and Sex	X	X	X	X	X	X
Non-resident Alien		X	X	X	X	X
				Region.	Accred.	Only
Special Needs		X	X			

-continued-

Table 1 - continued

Form and Section Titles	School Years					
	78-79	79-80	80-81	81-82	82-83	83-84
Postsecondary Program Enrollment						
Part C						
Special Needs by Instruc. Setting		X	X	X	X	X
Part D						
Enroll. in Co-op and Appren.	X	X	X	X	X	X
Part E						
Participation by Legislative Purp.	X	X	X	X	X	X
				Work Study Only		
Teacher/Staff - Secondary Inst.						
Total Staff	X	X	X			X
Racial/Ethnic Desig. Totals		X	X			X
Teacher/Staff - Postsecondary Inst.						
Total Staff	X	X	X			X
Racial/Ethnic Desig. Totals		X	X			X
Part-time		X	X			X
Finance						
Part A						
Section 110 - Setasides	X	X	X	X	X	X
Section 120 - Basic Grant	X	X	X	X	X	X
Section 130 - Ex. & Innov.	X	X	X	X	X	X
Section 140 - Disadvantaged	X	X	X	X	X	X
Section 150 - C & HE	X	X	X	X	X	X
Section 102(d) - Plan. & Eval.		X	X	X	X	X
Part B						
Instruc. Expenditure by Program		X	X	X	X	X
Part C						
Setasides by Stream*		X	X			

*Secondary
Regionally Accredited
State Approved
Other Postsecondary

-continued-

Table 1 - continued

Form and Section Titles	School Years					
	78-79	79-80	80-81	81-82	82-83	83-84
Secondary Completer/Leaver						
Part A(1) Employment Status of Completers by Instructional Program	*X	X	X	X	X	X
Part A(2) Employment Status of Leavers by Instructional Program	*X	X	X			
Part B(1) Employment Status of Completers by Racial/Ethnic/Sex Designation		X	X	X	X	X
Part B(2) Employment Status of Leavers by Racial/Ethnic/Sex Designation		X	X			
Part C(1) Employment Status of Completers by Special Need		X	X	X	X	X
Part C(2) Employment Status of Leavers by Special Need		X	X			
Part D Field of Employment and Average Hourly Salary by Instructional Program	*X	X	X	X Avg. hour. salary only	X	X
Postsecondary Completer/Leaver						
Part A(1) Employment Status of Completers by Instructional Program	*X	X	X	X	X	X
Part A(2) Employment Status of Leavers by Instructional Program	*X	X	X			
Part B(1) Employment Status of Completers by Racial/Ethnic/Sex Designation		X	X	X	X	X
Part B(2) Employment Status of Leavers by Racial/Ethnic/Sex Designation		X	X			
Part C(1) Employment Status of Completers by Special Need		X	X	X	X	X
Part C(2) Employment Status of Leavers by Special Need		X	X			

*Collected but not streamed.

-continued-

Table 1 - continued

Form and Section Titles	School Years					
	78-79	79-80	80-81	81-82	82-83	83-84
Postsecondary Completers/Leavers						
Part D Field of Employment and Average Hourly Salary by Instructional Program	*X	X	X	X	X	X Avg. Hour. Salary only
Part E Employment Status by Degree Conferred		X	X	X	X	X
Employer Follow-up - Secondary						
Part A Mean of Employer Rating by Instructional Program	*X	X	X			
Part B Mean Rating by Racial/ Ethnic/Sex Designation		X	X			
Part C Mean Rating by Special Need		X	X			
Part D Mean Rating by Completion Status	*X	X	X			
Employer Follow-up - Postsecondary						
Part A Mean of Employer Rating by Instructional Program	*X	X	X			
Part B Mean Rating by Racial/ Ethnic/Sex Designation		X	X			
Part C Mean Rating by Special Need		X	X			
Part D Mean Rating by Completion Status	*X	X	X			

*Collected but not streamed.

National Center for Education Statistics

Announcement

U.S. DEPARTMENT OF EDUCATION

November 20, 1981

DATA TAPE AVAILABLE FOR CROSSWALK BETWEEN NEW CLASSIFICATION FOR INSTRUCTIONAL PROGRAMS AND TWO PREVIOUS NCES ONES

The National Center for Education Statistics (NCES) announces the availability of the computer tape which provides a crosswalk between the new classification of instructional programs listed in A Classification of Instructional Programs (CIP) and two previously published NCES publications used to classify instructional programs. The two publications are the Standard Terminology for Curriculum and Instruction in Local and State School Systems, commonly referred to as Handbook VI and A Taxonomy of Instructional Programs in Higher Education, commonly referred to as the HEGIS Taxonomy.

The new classification is intended to replace the Taxonomy and fill a void in Handbook VI with regards to instructional programs. It will be used by NCES in its Higher Education General Information Survey (HEGIS) and Vocational Education Data System (VEDS) surveys. Copies of the publication may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 for $6.50. When ordering refer to S/N 065-000-00088-1.

The crosswalk tape will enable users to convert their programs from either of the old classification systems into CIP, and vice versa. The tape contains 756 records for the HEGIS crosswalk, and 690 records for the Handbook VI crosswalk.

The price for a copy of this data tape is $65.

For information about the new classification, contact Gerald S. Malitz, Division of Postsecondary and Vocational Education Statistics, telephone (301) 436-6348.

To order the tape, with documentation, complete the order form on the back of this announcement and send it with your check for $65 (made payable to the U.S. Department of Education) to:

National Center for Education Statistics
Presidential Building
400 Maryland Avenue SW.
Washington, D.C. 20202

Attention: Data Systems Branch

NCES 81-323T

(Print only)

DATA TAPE ORDER

(Orders are processed upon receipt of payment ONLY)

DATA TAPE REQUESTED

SPECIFICATIONS *(Check one)*

(The specifications below will be used to create your data tape. You may wish to check these with your computer site personnel before completing this section)

TRACK	LABEL	DENSITY	CODE CONVENTION
☐ 9 Track*	☐ Standard IBM* ☐ Non-Label	☐ 1600 BPI ☐ 6250 BPI*	☐ EBCDIC* ☐ ASCII

*Standard tapes will be processed in approximately five (5) working days following the receipt of payment. More specialized tapes may take up to ten (10) working days.

NAME	NAME OF ORGANIZATION

ADDRESS *(Include number, street, city, State and ZIP code)*	TELEPHONE NO: *(Include area code)*

FOR NCES USE ONLY

RECEIVED BY	DATE RECEIVED	ORDER NUMBER	PROGRAMMER	DATE MAILED

FORM OF REQUEST	TYPE OF REQUESTOR	RESPONSE TIME	PRICE
			$

ED FORM 2028, 11/81

March 1982

NCES PUBLICATIONS CONTAINING
INFORMATION ABOUT VOCATIONAL EDUCATION

"A Classification of Instructional Programs." February 1981.

A new classification of instructional programs (CIP) has been developed to replace "A Taxonomy of Instructional Programs in Higher Education" (the HEGIS Taxonomy) and "Standard Terminology for Curriculum and Instruction in Local and State School Systems" (Handbood VI). The new classification removes conflicts between the HEGIS Taxonomy and Handbook VI in defining vocational education; it provides a reference tool for collecting, reporting and interpreting data about instructional programs; it will aid those who design data collection instruments, respond to questionnaires and compile, verify, and analyze vocational and postsecondary education data in general. The publication provides a system for categorizing programs a) by purpose in terms of their culmination in a formal award (degree, diploma, or certificate); and b) by subject matter content which takes the form of an alphabetical listing of 50 major program categories.

"Digest of Education Statistics 1981."

An abstract of statistical information covering the broad field of American education from prekindergarten through graduate school. Chapter IV on Adult and Vocational Education contains 12 tables and one figure on a wide range of subjects including enrollments in vocational education programs, teachers by type of program, expenditures of Federal, State, and local funds, numbers of secondary and postsecondary institutions offering vocational education programs, and so on.

"The Condition of Vocational Education." July 1981.

Presents comprehensive statistics describing the condition of vocational education. The report contains data for the 1978-79 school year collected by the National Center for Education Statistics (NCES) through the newly instituted Vocational Education Data System (VEDS). It also includes data from several other sources both within and outside of NCES.

The many aspects of vocational education examined include its providers, offerings, students, facilities, instructional staff and finances, students' interests in obtaining vocational education, the problems they encounter, and the outcomes they achieve. The tables are grouped together at the end of each chapter. The charts are integrated into the text, but contain a reference to the tables from which they were derived.

A summary treatment of these data was presented to the House Subcommittee on Education and Labor, September 17, 1980.

"The Condition of Education: 1981 Edition."

This is the seventh in a series of annual statistical reports which describe conditions in education as well as those in our larger society that affect education. Chapter IV - "Vocational Education" describes the universe of vocational education providers (institutional) and student characteristics and outcomes. Chapter V -"Education and Work" describes the educational status of the labor force, transition from education to work and youth employment. These two chapters contain 31 tables and 31 charts treating a variety of subjects on an integrated basis.

"The Condition of Education: 1980 Edition."

The sixth annual statistical report describes conditions in education as well as those in the larger society that affect education. Chapter VI - "Adult and Occupational Education" devotes four pages to each area and contains 20 tables and 20 charts treating a variety of subjects on an integrated basis.

"High School and Beyond - A National Longitudinal Study For The 1980's." April 1981.

This study was designed to provide a data base containing longitudinal statistics on a national sample of high school sophomores and seniors as they move out of the American school system and begin the critical years of early adulthood. The study began in the Spring of 1980 before any of the students left high school. This first High School and Beyond publication is a summary of descriptive information about the students' high school experiences, activities outside of school, attendance, and plans for after high school. This report merely highlights the breadth of the High School and Beyond data. Basic student data files are available on tapes to researchers who wish to pursue these or other topics in depth. Interspersed throughout the publication is a variety of information about the students' vocational training, life goals, factors in occupational choice, postsecondary education plans and occupational goals, and so forth. There are 29 tables and nine figures presented on an integrated basis with the textual material. Inquiries about the availability of related computer tapes should be directed to the Statistical Information Office (see AVAILABILITY OF PUBLICATIONS on page 3.)

"National Longitudinal Study - A Capsule Description of Young Adults Seven And One-Half Years After High School." August 1981.

This study of the high school class of 1972 was designed to provide an ongoing and updated data base for a nationally representative sample of high school juniors as they leave the American high school system and begin the critical years of early adulthood. The National Longitudinal Study (NLS) began in the Spring of 1972 before any of the students left high school. That was followed by a series of periodic mail and personal interview follow-up surveys. This NLS report is one in the series; it is a summary of some descriptive information including the education and work of the young adults since leaving high school. Included is

descriptive information about their postsecondary attendance trends and educational attainment, employment trends, extent of work and earnings and employment sector. There are 24 tables and ten figures presented on an integrated basis in the textual material. Inquiries about the availability of related computer tapes should be directed to the Statistical Information Branch (see AVAILABILITY OF PUBLICATIONS on page 3).

"Associate Degrees and Other Formal Awards Below the Baccalaureate - 1978-79." February 1981.

This summary report presents data from the annual survey of degrees conferred sponsored by the National Center for Education Statistics. The report focuses on the completion of occupational curriculums in a wide variety of technologies. It emphasizes those curriculums normally offered in two-year collegiate programs designed to prepare students for immediate employment in a specific occupation or cluster of occupations.

Data for the report were collected via a survey conducted from July 1, 1978 to June 30, 1979 ("Degrees and Other Formal Awards Conferred"). The report is presented primarily in tabular form with four summary tables and eight detailed tables. The tables present the data grouped by institutional control and type, sex of recipients, State, type of curriculum, discipline division, and speciality.

"Enrollments and Programs in Noncollegiate Postsecondary Schools 1978." September 1979

This report provides information on the number of students preparing for various career fields in noncollegiate postsecondary schools. The main emphasis is upon the presentation of 1978 data, but comparisons are made with information from earlier years whenever possible. Data for this report were collected from a sample of schools selected from those appearing in the "Directory of Postsecondary Schools With Occupational Programs" (no longer in print). The publication contains 26 pages of text interspersed with tables and figures as well as 20 tables in the appendix.

"Occupational Education - Learning A Skill Through Correspondence, 1976."

This report contains data on correspondence schools focusing upon enrollments, types of schools, length of training, fees, location (residence) of training, and staff. There are four tables in the appendix.

AVAILABILITY OF PUBLICATIONS

Complimentary copies, until the supply is exhausted, of the publications listed above may be obtained from the Statistical Information Office, National Center for Education Statistics, 400 Maryland Avenue, SW., (Room 1001 Presidential Building), Washington, D.C. 20202, telephone (301) 436-7900.

Information about related computer tapes should also be directed to the Statistical Information Office.

"Youth Employment During High School." May 1981

The data in this report dealing with the employment status of unique groups of high school students are derived from the initial data collected for the NCES study, High School and Beyond, a longitudinal study of U.S. high school seniors and sophomores. The study that the subject report is based upon was conducted for NCES by the National Opinion Research Center of the University of Chicago. There are 1,016 high schools in the sample and a target number of 36 seniors and 36 sophomores in each of the schools. Special strata were emphasized in this report including: Hispanic Catholic schools with high proportions of black students; non-Catholic private schools; public alternative schools; and private schools with high achieving students.

Chapters in the report include: "Employment Status of High School Students"; Dimensions of Work: Time and Wages"; "Jobs Students Hold"; and "Government-sponsored Work and Training Programs." There are 69 tables and 13 figures interspersed with the text.

AVAILABILITY OF PUBLICATION

The NCES supply of this publication has been exhausted. It may, however, be purchased from the Education Research Information Center:

Educational Research Information Center (ERIC)
Document Reproduction Service
P.O. Box 190
Arlington, Virginia 22210

Accession number: ED203198 -- $15.20 (paper)
$ .91 (microfiche)

Including payment will help to expedite delivery.

NCES COMPUTER TAPES ON VOCATIONAL EDUCATION SUBJECTS

March 1982

SURVEY AREA	YEARS AVAILABLE	FREQUENCY	LEVEL OF DATA	MAJOR VARIABLES	COMMENTS	PRICE
Postsecondary Career School Survey	1973-74 1975-76 1977-78 1979-80	Biennial	Institutional	Includes name, address, and parent institution; type of control; enrollment by attendance status and sex; vocational programs and occupational fields; accreditation status; and Federal program eligibility.	Data compare with those found in "Directory of Postsecondary Schools with Occupational Programs."	*$50.00 for each year's data
Programs and Enrollments in Noncollegiate Postsecondary Schools ("All Forms")	1975 1977	Biennial	Institutional	Contains data collected from 3 postsecondary education survey forms. Covers: (A) schools from the Postsecondary Career School Survey; (B) 25% sample drawn from A that includes program enrollment, charges, length and output, student racial/ethnic origins, age, and sex; staff by sex and assignment; and (C) correspondence school area.	A and B often referred to as "short" form and "long" form, respectively.	*$50.00 for each year's data
Characteristics of Students in Noncollegiate Postsecondary Schools	1977 1979 1981	Biennial	Student	Includes age, sex, ethnicity, and military status; previous vocational training plans; previous and current work experience and future work plans; parents backfrounds.	Sample of 6,800 students drawn from Postsecondary Career School Survey universe of schools.	*$50.00 for each year's data
Vocational Education Annual Report Data	1974 through 1978	Annual	State	Financial status carryover funds and formula-grant program information; performance report data, number of teachers, and status of teacher training and local administrative staff; enrollments in programs by level and discipline code and by special funded programs.	This series of reports will be superseded by the Vocational Education Data System Report for FY 1979	*$50.00 for each year's data

SURVEY AREA	YEARS AVAILABLE	FREQUENCY	LEVEL OF DATA	MAJOR VARIABLES	COMMENTS	PRICE
Participation in Adult Education	1969 1972 1975	Triennial	Student	Includes age, sex, race, and occupation of participants; types of courses taken; types of institutions offering courses; control of institution; reason for taking courses; and course length.	Estimates based on Current Population Surveys of the total civilian, noninstitutionalized population. Bureau of the Census survey.	*$50.00 for each year's data
Adult and Continuing Education	1975-76 1977-78 1979-80	Biennial	Institutional	Covers noncredit activities in higher education institutions by major academic and/or administrative unit, and number of noncredit registrations by field of instruction.	HEGIS survey. Sample of 484 reporting units.	*$50.00 for each year's data
Secondary School Vocational Directory	1971	One time	Institutional	Includes name, address, district name, county, enrollment, and curriculum programs.	Comprehensive listing. Data compare with those found in "Directory of Secondary Schools with Occupational Curriculum, Public-Nonpublic 1971."	*$50.00
Vocational Education Data System (VEDS)						
Enrollment Part A	1978-79 1979-80	Annual	State	Covers students pursuing occupationally specific programs - occupational programs; sex, race, and handicapping condition of students; type of recognition.	Part A is derived from data for 6.0 million students co vered by State-level vocational education plans attending 21,000 institutions (via State summary).	*$50.00 for each year's data

SURVEY AREA	YEARS AVAILABLE	FREQUENCY	LEVEL OF DATA	MAJOR VARIABLES	COMMENTS	PRICE
Vocational Education Data System (VEDS) (continued)						
Enrollment Part B	1978-79 1979-80	Annual	State	Covers students not pursuing occupationally specific program objectives by sex, race, and handicapping condition; program area for occupationally oriented programs.	Part B is the same as Part A comment above (on page 2).	*$50.00 for each year's data
Teacher-Staff	1978-79 1979-80	Annual	State	Covers staff assigned to the vocational education enterprise by function, program area, sex, race and full-time and part-time employment.	Staff includes State summary of 315,000 full-time vocational education employees in 21,000 institutions.	*$50.00 for each year's data
School Finance Part A	1978-79 1979-80	Annual	State	Expenditures by legislative subsections by source of funds by authorization year; unliquidated obligations by source of funds by legislative section.	Federal data from State summary of 21,000 institutions.	*$50.00 for each year's data
School Finance Part B	1979-80	Annual	State	Direct instructional costs by broad program areas such as agriculture, distributive education, health, etc.	Same as Part A comment above.	*$50.00
Completer Follow-up	1978-79 1979-80	Annual	State	Employment status by race/sex/special needs, 2-digit SOC CODE, and salary all by program.	State summary of more than 1.5 million students' employment outcomes as of April 15, 1980.	*$50.00 for each year's data

SURVEY AREA	YEARS AVAILABLE	FREQUENCY	LEVEL OF DATA	MAJOR VARIABLES	COMMENTS	PRICE
Vocational Education Data System (VEDS) (continued)						
Completer/leaver Follow-up	1979-80 1980-81	Annual	State	Same as major variables above but leavers as well as completers included.	Available Fall 1982.	*$50.oo for each year's data
Employer Follow-up	1979-80 1980-81	Annual	State	State summaries of employer ratings of job performance by vocational program completers and leavers by program, race/sex/special needs categories.	Available Fall 1982	*$50.00 for each year's data
High School and Beyond						
Participation in Vocational Education Programs at High School Level	1980-Base Year 1982-First Follow-up	Every two years	Student - School - Parent - Teacher - (four separate files for 1980, 1982)	- Vocational courses taken; - vocational asperations; - vocational plans; - student and family; - characteristics; - parent aspirations; - parent financial plans for their child to go to vocational school; - school characteristics.	1982-First Follow-up data not available until December 1982. Teacher file for 1980-Base Year notavailable until May 1982.	$80.00 for first file plus $45.00 for each additional file

SURVEY AREA	YEARS AVAILABLE	FREQUENCY	LEVEL OF DATA	MAJOR VARIABLES	COMMENTS	PRICE
National Longitudinal Study						
Base Year (1972) through Fourth Follow-up (1979)	1972 1974 1976 1979	Varies	Student	School, counselor, student characteristics, vocational aspirations, courses taken, vocational degrees earned, vocational institutions attended, satisfaction with vocational education.	National Longitudinal Study that has followed over 22,000 students from H.S. graduation in 1972 to fourth follow-up (1979). Over 4,900 of these individuals were enrplled in a vocational curriculum in high school.	$100.00 for all four of the student data tapes and user manuals if purchased as 9T6250, SL, EBCDIC
School File	1972	One time	School	Type of school; courses offered; finance; staff composition.	Released in 1980.	*$50.00
School Codebooks	1972	One time	School	Type of school; courses offered; finance; staff composition.	Released in 1980.	*$50.00

*If data sets are stacked on a 6250 BPI tape the price is $50.00 for the first file and $15.00 for each additional file.

NOTE: All orders for tapes should be sent to the Statistical Information Office, National Center for Education Statistics, (1001 Presidential Building) 400 Maryland Avenue, SW., Washington, D.C. 20202, telephone (301) 436-7900.

TECHNICAL NOTE: Within broad limitations, the tapes are available in any formats specified by users. Direct contact with the Statistical Information Office listed above is suggested before placing final order(s).